

| Ref # | Hits | Search Query   | DBs                              | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------------------------------|------------------|---------|------------------|
| L1    | 34   | ("20030141563" "20030209714" "20040130263" "20050082545" "20050112886" "20050205883" "3739217" "5376580" "5528057" "6265820" "6335548" "6340824" "6388264" "6410348" "6468824" "6614056" "6627521" "6642618" "6661028" "6791117" "6791259" "6800500" "6812503" "6818531" "6828597" "6828724" "6878969" "6891203" "6900587" "6924136" "6943379" "6946683" "6958494").PN.                                | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2005/12/06 17:27 |
| L2    | 24   | ("20030141563" "20030209714" "20040130263" "20050082545" "20050112886" "20050205883" "3739217" "5376580" "5528057" "6265820" "6335548" "6340824" "6388264" "6410348" "6468824" "6614056" "6627521" "6642618" "6661028" "6791117" "6791259" "6800500" "6812503" "6818531" "6828597" "6828724" "6878969" "6891203" "6900587" "6924136" "6943379" "6946683" "6958494").PN. and (detuning lattice crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2005/12/06 17:29 |
| L3    | 11   | ("20030141563" "20030209714" "20040130263" "20050082545" "20050112886" "20050205883" "3739217" "5376580" "5528057" "6265820" "6335548" "6340824" "6388264" "6410348" "6468824" "6614056" "6627521" "6642618" "6661028" "6791117" "6791259" "6800500" "6812503" "6818531" "6828597" "6828724" "6878969" "6891203" "6900587" "6924136" "6943379" "6946683" "6958494").PN. and (detuning lattice)         | US-PGPUB; USPAT; USOCR; EPO; JPO | OR               | ON      | 2005/12/06 17:29 |
| S1    | 301  | 313/498.ccls.  | USPAT; EPO; JPO                  | OR               | ON      | 2004/07/26 00:38 |
| S2    | 294  | 313/499.ccls.  | USPAT; EPO; JPO                  | OR               | ON      | 2004/07/25 23:31 |
| S3    | 332  | 313/500.ccls.  | USPAT; EPO; JPO                  | OR               | ON      | 2004/07/25 23:31 |
| S4    | 271  | 313/502.ccls.  | USPAT; EPO; JPO                  | OR               | ON      | 2004/07/25 23:31 |
| S5    | 935  | 313/504.ccls.  | USPAT; EPO; JPO                  | OR               | ON      | 2004/07/26 00:22 |

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|-----|------|---|-----------------|----|----|------------------|
| S6  | 603  | 313/509.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/25 23:32 |
| S7  | 475  | 313/512.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:19 |
| S9  | 611  | 313/110.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/25 23:33 |
| S10 | 954  | 313/112.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/25 23:33 |
| S11 | 293  | 313/116.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:16 |
| S12 | 0    | 313/116.ccls. and LED and collimated  | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:51 |
| S13 | 2    | 313/116.ccls. and collimated  | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:52 |
| S15 | 2    | 313/498.ccls. and collimated  | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:52 |
| S16 | 3    | 313/512.ccls. and collimated  | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:52 |
| S18 | 2    | 313/504.ccls. and collimated  | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:52 |
| S19 | 22   | 313/498.ccls. and (focused focus focus\$ collimated collimate collimat\$)                             | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:55 |
| S20 | 106  | 313/498.ccls. and pattern   | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:29 |
| S21 | 294  | 313/499.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:53 |
| S22 | 263  | 313/499.ccls. not 313/498.ccls.   | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:38 |
| S23 | 24   | (313/499.ccls. not 313/498.ccls.) and (focused focus focus\$ collimated collimate collimat\$)         | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:39 |
| S24 | 59   | (313/499.ccls. not 313/498.ccls.) and (focused focus focus\$ collimated collimate collimat\$ pattern) | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:55 |
| S25 | 5376 | 372/43.ccls.  | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:59 |
| S26 | 920  | 372/44.ccls.  | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:53 |
| S27 | 633  | 372/49.ccls.  | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:56 |
| S28 | 104  | 372/49.ccls. and pattern  | USPAT; EPO; JPO | OR | ON | 2004/07/26 01:10 |
| S29 | 170  | 372/43.ccls. and (collimated collimate collimat\$)  | USPAT; EPO; JPO | OR | ON | 2004/07/26 00:59 |

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|-----|-----|---|---------------------------|----|----|------------------|
| S35 | 565 | 257/466.ccls.   | USPAT; EPO; JPO           | OR | ON | 2004/07/26 01:22 |
| S39 | 267 | ("313"/\$.ccls. "372"/\$.ccls. "257"/\$.ccls) and "detuning"  | USPAT; EPO; JPO           | OR | ON | 2004/07/26 01:30 |
| S40 | 25  | ("313"/\$.ccls. "372"/\$.ccls. "257"/\$.ccls) and "detuning" and LED                                  | USPAT; EPO; JPO           | OR | ON | 2004/07/26 01:34 |
| S41 | 267 | ("313"/\$.ccls. "372"/\$.ccls.) and "detuning"  | USPAT; EPO; JPO           | OR | ON | 2004/07/26 01:34 |
| S42 | 63  | ("257"/\$.ccls.) and "detuning"   | USPAT; EPO; JPO           | OR | ON | 2004/07/26 01:35 |
| S43 | 20  | ("313"/\$.ccls.) and "detuning"   | USPAT; EPO; JPO           | OR | ON | 2004/07/26 01:35 |
| S44 | 3   | "313"/\$.ccls. and chirping and pattern   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:46 |
| S45 | 29  | 313/499.ccls. and (focused focus\$ collimated collimate collimat\$)                                   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:53 |
| S46 | 0   | 313/116.ccls. and LED and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:52 |
| S47 | 2   | 313/116.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:53 |
| S48 | 2   | 313/498.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:53 |
| S49 | 6   | 313/512.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:52 |
| S50 | 3   | 313/504.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:53 |
| S51 | 27  | 313/498.ccls. and (focused focus\$ collimated collimate collimat\$)                                   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:55 |
| S52 | 64  | (313/499.ccls. not 313/498.ccls.) and (focused focus focus\$ collimated collimate collimat\$ pattern) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/07/26 01:55 |
| S53 | 94  | 313/501.ccls.   | USPAT; EPO; JPO           | OR | ON | 2005/12/06 17:15 |
| S54 | 4   | 313/116.ccls. and collimated  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:42 |
| S55 | 2   | 313/498.ccls. and collimated  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:42 |

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|-----|-----|---|---------------------------|----|----|------------------|
| S56 | 3   | 313/512.ccls. and collimated  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:42 |
| S57 | 4   | 313/504.ccls. and collimated  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S58 | 27  | 313/498.ccls. and (focused focus\$ collimated collimate collimat\$)                                   | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S59 | 120 | 313/498.ccls. and pattern   | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S60 | 329 | 313/498.ccls.   | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S61 | 61  | (313/499.ccls. not 313/498.ccls.) and (focused focus focus\$ collimated collimate collimat\$ pattern) | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S62 | 677 | 372/49.ccls.  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S63 | 111 | 372/49.ccls. and pattern  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S64 | 189 | 372/43.ccls. and (collimated collimate collimat\$)  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S65 | 580 | 257/466.ccls.   | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:43 |
| S66 | 277 | ("313"/\$.ccls. "372"/\$.ccls. "257"/\$.ccls) and "detuning"  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:44 |
| S67 | 25  | ("313"/\$.ccls. "372"/\$.ccls. "257"/\$.ccls) and "detuning" and LED                                  | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:44 |
| S68 | 20  | ("313"/\$.ccls.) and "detuning"   | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:44 |
| S69 | 69  | ("257"/\$.ccls.) and "detuning"   | USPAT; EPO; JPO           | OR | ON | 2005/01/23 14:44 |
| S70 | 4   | "313"/\$.ccls. and chirping and pattern   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/01/23 14:44 |
| S71 | 7   | 313/512.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/01/23 14:44 |
| S72 | 7   | 313/504.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/01/23 14:44 |
| S73 | 3   | 313/498.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/01/23 14:44 |
| S74 | 4   | 313/116.ccls. and collimated  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/01/23 14:44 |

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|-----|------|---|----------------------------------|----|----|------------------|
| S75 | 32   | 313/499.ccls. and (focused focus focus\$ collimated collimate collimat\$)   | US-PGPUB; USPAT; EPO; JPO        | OR | ON | 2005/01/23 14:45 |
| S76 | 38   | 313/498.ccls. and (focused focus focus\$ collimated collimate collimat\$)   | US-PGPUB; USPAT; EPO; JPO        | OR | ON | 2005/01/23 14:45 |
| S77 | 68   | (313/499.ccls. not 313/498.ccls.) and (focused focus focus\$ collimated collimate collimat\$ pattern)   | US-PGPUB; USPAT; EPO; JPO        | OR | ON | 2005/08/01 16:25 |
| S79 | 25   | ("6831302" "6504180" "6690268" "6642618" "6784027" "6847057" "6072628" "6122103" "6288840" "6574383" "6504180" "6690268" "5162878" "6828597" "5814839" "5491350" "6303405" "20020110172" "6222207" "6593160" "6573537" "6465808" "20030143772" "6762069" "6649437" "6740906" "6791119").pn. | US-PGPUB; USPAT; EPO; JPO        | OR | ON | 2005/08/01 16:26 |
| S80 | 630  | 313/110.ccls.   | USPAT; EPO; JPO                  | OR | ON | 2005/08/01 16:55 |
| S81 | 999  | 313/112.ccls.   | USPAT; EPO; JPO                  | OR | ON | 2005/08/01 16:55 |
| S82 | 2    | 313/498.ccls. and collimated  | USPAT; EPO; JPO                  | OR | ON | 2005/08/01 16:54 |
| S83 | 29   | ("313"/\$.ccls. "372"/\$.ccls. "257"/\$.ccls) and "detuning" and LED  | USPAT; EPO; JPO                  | OR | ON | 2005/08/01 16:54 |
| S84 | 68   | (313/499.ccls. not 313/498.ccls.) and (focused focus focus\$ collimated collimate collimat\$ pattern)   | US-PGPUB; USPAT; EPO; JPO        | OR | ON | 2005/08/01 16:55 |
| S85 | 951  | 313/110.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/08/01 16:55 |
| S86 | 1572 | 313/112.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/08/01 16:55 |
| S87 | 1    | "5132751".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/09/27 10:53 |
| S88 | 1    | "6784463".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/09/27 10:56 |

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|-----|---|---|---|----|----|------------------|
| S96 | 1 | "20040043524"                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/09/27 10:55 |
| S98 | 3 | ("20040027062" "6522063" "6534798"):PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/10/12 13:43 |